

Subsequent Report of Hydrafrac, Keely C-30

Oct. 4, 1954

RECORD OF RECOMPLETION (Cont'd)

8-19-54 After standing 16 hrs, ran swab & rec. slight show of oil. Fractured as follows: 1500 gals. kerosene; 3,000 gals. hydrafrac containing 4700 lbs. sand, followed by 68 bbls. breaker fluid. Flushed with 10 1/2 BO. Max. inj. press. 2700 psig; at end of flush 1900 psig, dropping to 1300 psig upon stopping pump. Total inj. time 35 min. Load oil, 280 bbls.

RESULTS OF TREATMENT:

8-20-54 After shut in 22-1/2 hrs, opened with 690 lbs. tubing pressure.
8-21-54 Flowed 147 BO in 21 hrs.
8-22-54 Flowed 144 BO in 2 1/2 hrs.
8-23-54 Pulled swab 1 time, flowed 125 BO in 26-1/2 hrs. (36 bbls. NET oil). Pulled tubing dumping 83 BO from annulus. Re-ran straddle packer on 2-1/2" EUE tubing with KV-30 H-W. packer at 2573' and KAV anchor packer & H-1 hydraulic anchor at 2526'. Reloaded annulus & swbd. tubing dry.
8-24-54 Found leak in tubing and/or packer, pulled tubing dumping 77 BO from annulus plus 20 BO pumped in. Re-ran tubing with straddle packer to same depth. Reloaded annulus & swbd. tubing dry.

ACID TREATMENT:

8-25-54 After standing shut in 16 hrs, swbd. 5 BO. Acidized with 1,000 gals. 20% HCl. Max. inj. press. 2200 psig; minimum inj. press., on vacuum at end of flush. Total inj. time 9 min. Flushed with 13 BO. Swbd. oil flush & acid water. Then swbd. 25 BO.

RESULTS OF TREATMENTS:

8-26-54 Swbd. 10 BO. Pulled packers loose dumping 70 BO. Pulled 2-1/2" EUE tubing.
8-27-54 Swabbed 37 BO from 7" casing.
8-28-54 Swabbed 73 BO.
8-29-54 Swabbed 55 BO.
8-30-54 Swabbed 38 BO. (NET 29 BO both zones).
8-31-54 Re-ran pumping installation. Pumped 25 BO in 12 hrs.

SUBSEQUENT TESTS:

9- 8-54 Pumped 36 BO.
9- 9-54 Pumped 32 BO.
9-10-54 Pumped 27 BO.
9-11-54 Pumped 27 BO.